

CARDIFF RURAL DISTRICT COUNCIL

ANNUAL REPORT

for the Year

1954

BY

G. McKIM THOMAS

M.R.C.S., L.R.C.P., L.D.S. (Eng.), D.P.H. (Lond.),
MEDICAL OFFICER OF HEALTH

CARDIFF RURAL DISTRICT COUNCIL

ANNUAL REPORT

for the Year

1954

BY

G. McKIM THOMAS

M.R.C.S., L.R.C.P., L.D.S. (Eng.), D.P.H. (Lond.),
MEDICAL OFFICER OF HEALTH

Public Health Officers, 1954

Medical Officer of Health :

G. McKIM THOMAS,

M.R.C.S., L.R.C.P., L.D.S. (Eng.) D.P.H. (Lond.)

Senior Sanitary Inspector

WM. DAVIES, A.R.S.I., M.S.I.A. No. 2 District (Radyr)

Sanitary Inspectors

H. WILLIS, A.R.S.I., M.S.I.A. No. 1 District (Whitchurch)

K. N. PRICE, M.R.S.I., M.S.I.A., No. 3 District (Dinas Powis)

Clerical Staff :

A. M. REES

K. G. TADD

Rodent Operatives :

W. R. DOERR

T. J. RICHARDS

Cardiff Rural District Council

Health Department,

Park House,

20, Park Place,

Cardiff.

To the Chairman and Members of the
Cardiff Rural District Council

Ladies and Gentlemen,

The Welsh Board of Health request that the Council will direct that the Annual Report of the Medical Officer of Health for 1954 be prepared on the general lines which have been indicated and include information asked for in Circular 1/54 (Wales).

The general state of health of the inhabitants of your district has been satisfactory and there has not been any incidence of severe infectious diseases.

The general death rate was 13.38 which figure compares favourably with that for similar districts. The expectation of life has again shown that both males and females are living longer than formerly but this fact does bring to our notice the difficulties which are occurring with some of these elderly persons. There are several that I have visited on a number of occasions who do require more attention than they are able to obtain. The Home Help Service is not able to provide all that is required but one must also have regard to the outlook of some of these elderly people who are in many cases inclined to the view that they can manage quite well and do not welcome any assistance from outside sources.

In two instances during the year it was necessary for me to seek assistance from a magistrate to have cases removed to hospital.

The progress reported last year with house construction has continued with the same urgency but now there does appear to be an indication in certain parishes that the need has been met but there are other parishes where the waiting lists are still long.

Towards the end of the year the Housing Repairs and Rents Act, 1954 was published and so we were in possession of a new definition of "unfitness" as applied to properties. As a result of this new standard it became necessary to review the categories of all the houses which had been inspected under the Rural Housing Survey and it was found that a number of properties could be upgraded from Category 5 to 3.

There has been more encouragement for property owners to apply for Improvement Grants for reconditioning their property and the number of applicants for grants has shown an increase.

In the body of the report will be found information upon Water and Sewerage schemes which have been under construction during the year, and it is pleasing to note that the Pentyrch and Rudry sewerage schemes were completed.

There has been for several years past an increasing demand for camping licences particularly in the coastal section of the district and whilst the sites are very well suited for summer camping it is questionable whether winter tenancy is desirable. I am of the opinion that all the year round camping is not suitable for children on the grounds of confined space, lack of privacy for bathing, etc., lack of facilities for doing homework, and difficulties with cooking.

The Services Camps which were taken over by the Council soon after the end of the war have now with one exception been cleared and given up by the Council. They certainly served a useful purpose as an emergency but few could be looked upon with favour for accommodating families on account of their coldness and dampness during the winter months.

SECTION A.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

(i) General Statistics.

Area—acres	...	...	...	...	...	...	59,835
Estimated resident Population, mid 1953							
(Registrar General's estimate)	...	...	...	...	...	...	37,300
No. of inhabited houses	...	...	...	...	...	...	11,364
Rateable value of the district	...	...	...	...	...	...	£255,236
Sum represented by the Id. rate	...	...	...	...	...	...	£1,016

(ii) Social Conditions -

The District is composed of both urban and rural committees and in Whitchurch parish the estimated population is approximately 20,000 persons; the remainder is mainly rural. There are approximately 479 farms and smallholdings in the area and milk production is largely carried on.

The industries are as follows :—

1. British Railways (Western Region) Locomotive Repair Department, Van.
2. Blaengwynlais Quarry, Whitchurch.
3. Cwmleyshon Quarry, Rudry.
4. Cefn On Basic and Dolomite Works, Van.
5. Cecil Sweet Factory, Whitchurch.
6. Edgefield Engineering Factory, Whitchurch.
7. John Rigg Cases Co., Tongwynlais.
8. G. T. Utley & Co., Ltd., Precision Engineers, Tongwynlais.
9. D. S. Metal Craft Ltd., Tongwynlais.
10. Melingriffith Tin Plate Works, Whitchurch.
11. Taffs Well Dolomite Co., Pentyrch.
12. Tynant Quarries, Radyr.
13. Creigiau Quarries, Creigiau.
14. Tudor Morgan & Son, Timber Merchants, Whitchurch.
15. Maberley Parker & Co., Public Works Contractor, Whitchurch.
16. British Portland Cement Manufacturers, Lavernock.
17. Aberthaw and Bristol Channel Portland Cement Co., Aberthaw.
18. Aberthaw and Bristol Channel Portland Cement Co., Rhoose.
19. Turners Asbestos Cement Co., Rhoose.
20. Seth Hill & Son, Pantyffon Quarry, Bonvilston.
21. Lavernock Quarries, Ltd., Lavernock.
22. St. Andrew's Quarry Co., St. Andrews.
23. Wenvoe Quarries (1927) Ltd., Wenvoe.
24. Greenwood Bros., Lime Stone Quarry, Wenvoe.
25. Whitehall Quarries, Walston, Wenvoe.
26. British Geon, Sully.
27. Coates Bros. Synthetic Resin Manufacturers, Machen.
28. Llandaff North Engineering Co., Whitchurch.

(iii) Extracts from Vital Statistics -

			M	F	Total
1. Deaths (all ages)			271	228	499
Death rate per 1,000 of the estimated resident population					13.38
2. Live births—legitimate			219	250	469
illegitimate			3	9	12
Birth rate per 1,000 of estimated resident population :					
Live births—legitimate and illegitimate					12.90
3. (a) Stillbirths—legitimate			4	5	9
illegitimate			1	—	1

Birth rate per 1,000 births of estimated resident population -

(b) Still births—legitimate—expressed per 1,000 live legitimate births	19.18
Still births—illegitimate—expressed per 1,000 live illegitimate births	83.33

4. (a) Deaths of Infants under 1 year

Legitimate	6	4	10
Illegitimate	—	—	—

Rate per 1,000 live births—legitimate and illegitimate

(b) Death of infants under 1 year :	20.79
Legitimate—expressed per 1,000 live legitimate births	21.32
Illegitimate—expressed per 1,000 live illegitimate births	—

5. Number of Maternal Deaths —

6. Neonatal Mortality -

Deaths of Infants under 4 weeks of age :			
Legitimate	5	3	8
Illegitimate	—	—	—
Rate per 1,000 live births			16.63

TABLE I.

GLAMORGAN (ADMINISTRATIVE COUNTY)—VITAL STATISTICS, 1954 (AMENDED).

						Estimated Population 1954	Births		Deaths		Infant Mortality		Neo-Natal Mortality	
							Number of Births	Rate per 1,000 Population	Number of Deaths	Rate per 1,000 Population	Deaths under 1 Year	Rate per 1,000 Live Births	Deaths under 4 weeks	Rate per 1,000 Live Births
England and Wales	..	..	..	..	..	—	—	15.2	—	11.3	—	25.5	—	17.7
Administrative County	..	..	..	..	..	737,800	11,521	15.62	9,038	12.25	370	32.12	248	21.53
Urban Districts	..	..	..	..	..	534,600	8,486	15.87	6,602	12.35	275	32.41	187	22.04
Rural Districts	..	..	..	..	..	203,200	3,035	14.94	2,436	11.99	95	31.30	61	20.10
Health Division Aberdare and Mountain Ash	Constituent Districts													
	Aberdare Urban	..	..	..	..	40,630	560	13.78	579	14.25	15	26.79	12	21.43
	Mountain Ash Urban	..	..	..	..	30,900	471	15.24	397	12.85	10	21.23	5	10.62
Caerphilly and Gelligaer	Caerphilly Urban	..	..	..	..	36,900	731	19.81	373	10.11	26	35.57	17	23.26
	Gelligaer Urban	..	..	..	..	36,170	644	17.80	437	12.08	29	45.03	17	26.40
Mid-Glamorgan	Bridgend Urban	..	..	..	..	14,010	245	17.49	155	11.06	3	12.24	2	8.16
	Maesteg Urban	..	..	..	..	22,920	369	16.10	300	13.09	19	51.49	13	35.23
	Ogmore and Garw Urban	..	..	..	..	22,340	302	13.52	272	12.18	14	46.36	11	36.42
	Porthcawl Urban	..	..	..	..	9,860	129	13.08	144	14.60	4	31.01	3	23.26
	Penybont Rural	..	..	..	..	35,150	554	15.76	499	14.20	25	45.13	13	23.47
Neath and District	Neath M.B.	..	..	..	..	31,530	466	14.78	405	12.84	17	36.48	14	30.04
	Neath Rural	..	..	..	..	41,230	587	14.24	446	10.82	16	27.26	13	22.15
Pontypridd and Llantrisant	Llantrisant Rural	..	..	..	..	25,610	446	17.42	269	10.50	14	31.39	6	13.45
	Pontypridd Urban	..	..	..	..	38,140	618	16.20	543	14.24	22	35.60	17	27.51
Port Talbot and Glyncorrwg	Glyncorrwg Urban	..	..	..	..	9,550	197	20.63	87	9.11	10	50.76	5	25.38
	Port Talbot M.B.	..	..	..	..	45,850	834	18.19	457	9.97	19	22.78	16	19.18
South East Glamorgan	Barry M.B.	..	..	..	..	41,450	744	17.95	465	11.22	18	24.19	10	13.44
	Cardiff Rural	..	..	..	..	37,300	481	12.90	499	13.38	10	20.79	8	16.63
	Cowbridge M.B.	..	..	..	..	1,030	14	13.59	7	6.80	—	—	—	—
	Cowbridge Rural	..	..	..	..	20,000	336	16.80	137	6.85	5	14.88	2	5.95
	Penarth Urban	..	..	..	..	18,870	267	14.15	237	12.56	5	18.73	5	18.73
West Glamorgan	Gower Rural	..	..	..	..	11,720	172	14.68	156	13.31	7	40.70	4	23.26
	Llwehwr Urban	..	..	..	..	25,720	346	13.45	310	12.05	15	43.35	11	31.79
	Pontardawe Rural	..	..	..	..	32,190	459	14.26	430	13.36	18	39.22	15	32.68
Rhondda	Rhondda Urban	..	..	..	..	108,730	1,549	14.25	1,434	13.19	49	31.63	29	18.72

TABLE II

CAUSES OF INFANT DEATHS AT VARIOUS AGES DURING 1954

Diseases	hrs. 24	Weeks				Total 1st M'th	Month				Total
		1	2	3	4		1-3	3-6	6-9	9-12	
Hydrocephalus	1	—	—	—	—	1	—	—	—	—	1
Marasmus	1	—	—	—	—	1	—	—	—	—	1
Exfoliate dermatitis ..	—	—	—	1	—	1	—	—	—	—	1
Cerebral Haemorrhage	1	—	—	—	—	1	—	—	—	—	1
Liver Abscess	—	—	—	—	—	—	1	—	—	—	1
Congenital heart disease	—	—	—	—	—	—	1	—	—	—	1
Prematurity	2	—	—	—	—	2	—	—	—	—	2
Atelectasis	1	—	—	—	—	1	—	—	—	—	1
Haemolytic disease of the new born ..	1	—	—	—	—	1	—	—	—	—	1
TOTALS ..	7	—	—	1	—	8	2	—	—	—	10

Infantile Mortality

Infantile mortality means the number of infants who die during the first year of life. This year the number was 10 which gives a mortality rate of 20·79, a figure which compares very favourably with the Administrative County as a whole.

A very large proportion of new births to residents in our area takes place outside the district, in hospitals, maternity homes, or nursing homes. It will be seen from our figures for 1954, that notifications of births for our area totalled 481, but of this number only 200 occurred within our district, *i.e.*, 58% of births to residents took place outside the boundaries of this authority.

Principal Causes of Death

Diseases which continue to account for a large number of deaths in our area are cancer (116), heart disease (140), vascular lesions of the nervous system (67), and circulatory diseases (32). Since 1900 the infant mortality rate has fallen steadily and it is important that all our efforts should now be directed towards the prevention of diseases due to degeneration and those due to new growths which are affecting the middle and late age groups in increasing numbers.

TABLE III

BIRTHS

The number of births and the birth rate in the District for the past ten years is shewn in the following table :—

Year		Births		Birth-rate
1945	...	570	...	16·4
1946	...	619	...	17·3
1947	...	582	...	15·8
1948	...	525	...	14·8
1949	...	434	...	12·0
1950	...	462	...	12·4
1951	...	454	...	12·7
1952	...	433	...	12·1
1953	...	483	...	13·21
1954	...	481	...	12·90

The following is a table of the principal diseases and causes of death which were registered in the district in the year under review :—

TABLE IV
CAUSES OF DEATH IN THE CARDIFF RURAL DISTRICT
DURING 1954

CAUSES								M.	F.
All Causes	..	..	..	..	..	..	..	271	228
Typhoid and Paratyphoid	..	..	..	..	..	..	..	—	—
Measles	..	..	..	..	..	..	..	—	—
Scarlet Fever	..	..	..	..	..	..	..	—	—
Whooping Cough	..	..	..	..	..	..	..	—	—
Diphtheria	..	..	..	..	..	..	..	—	—
Influenza	..	..	..	..	..	..	..	2	4
Encephalitis Lethargica	..	..	..	..	..	..	..	—	—
Acute Poliomyelitis	..	..	..	..	..	..	..	—	—
Cerebro-Spinal Fever	..	..	..	..	..	..	..	—	—
Tuberculosis of the Respiratory System	..	..	..	..	..	..	..	8	1
Other Tuberculous Diseases	..	..	..	..	..	..	..	—	—
Syphilis	..	..	..	..	..	..	..	1	1
Cancer, Malignant Diseases	..	..	..	..	..	..	..	64*	50*
Diabetes	..	..	..	..	..	..	..	2	3
Vascular Lesions of Nervous System	..	..	..	..	..	..	..	31	37
Heart Disease	..	..	..	..	..	..	..	77	63
Other Circulatory Diseases	..	..	..	..	..	..	..	20	12
Bronchitis	..	..	..	..	..	..	..	9	8
Pneumonia	..	..	..	..	..	..	..	5	7
Other Respiratory Diseases	..	..	..	..	..	..	..	1	—
Peptic Ulcer	..	..	..	..	..	..	..	5	1
Digestive Diseases	..	..	..	..	..	..	..	1	1
Nephritis	..	..	..	..	..	..	..	2	1
Other Infective and parasitic diseases	..	..	..	..	..	..	..	3	—
Leukaemia, aleukaemia	..	..	..	..	..	..	..	—	—
Hyperplasia of Prostate	..	..	..	..	..	..	..	7	—
Pregnancy, Childbirth, Abortions	..	..	..	..	..	..	..	—	—
Other Maternal Causes	..	..	..	..	..	..	..	—	—
Premature Birth, Malformations, Birth Injuries and Infant Diseases	..	..	..	..	..	..	..	—	3
Suicide	..	..	..	..	..	..	..	3	2
Road Traffic	..	..	..	..	..	..	..	1	—
Other Violent Causes	..	..	..	..	..	..	..	5	6
Causes ill-defined or unknown	..	..	..	..	..	..	..	24	26
Death of Infants under 1 year	..	..	..	..	..	..	..	6	4
Total	..	..	..	..	..	..	..	6	4
Legitimate	..	..	..	..	..	..	..	6	4
Illegitimate	..	..	..	..	..	..	..	—	—
Live Births	..	..	..	..	..	..	..	222	259
Total	..	..	..	..	..	..	..	222	259
Legitimate	..	..	..	..	..	..	..	219	250
Illegitimate	..	..	..	..	..	..	..	3	9
Still Births	..	..	..	..	..	..	..	5	5
Total	..	..	..	..	..	..	..	5	5
Legitimate	..	..	..	..	..	..	..	4	5
Illegitimate	..	..	..	..	..	..	..	1	—

* This figure continues to be high this year because of a change in the registration of deaths which now includes mental and cancer patients at Whitchurch Hospital which were normally non-resident in our area.

TABLE V

TABLE SHOWING AGE OF DEATH

IN THE

CARAIFF RURAL DISTRICT COUNCIL

Age	Male					Female					Total				
	1950	1951	1952	1953	1954	1950	1951	1952	1953	1954	1950	1952	1952	1953	1954
Under 1	8	4	7	4	6	6	3	4	4	4	14	7	11	8	10
5	3	1	0	2	2	1	3	0	2	2	4	3	0	4	4
10	0	0	1	3	3	1	2	1	4	0	1	2	2	7	3
15	0	2	1	0	1	0	0	0	1	1	0	2	1	1	2
20	2	2	0	1	0	1	0	1	0	2	3	2	1	1	2
25	2	1	0	1	0	2	0	0	1	1	4	1	0	2	1
30	2	1	1	0	2	0	2	0	3	3	2	3	1	3	5
35	2	0	1	2	2	4	2	2	1	7	6	2	3	3	9
40	3	3	5	2	4	2	4	2	3	2	5	7	7	5	6
45	7	3	5	7	6	3	3	4	2	2	10	6	9	9	8
50	9	5	0	9	9	6	5	9	8	6	15	10	9	17	15
55	11	11	13	17	12	14	4	10	14	8	25	15	23	31	20
60	15	14	21	24	25	9	14	12	16	13	24	28	33	40	38
65	18	32	20	47	44	14	11	13	19	19	32	43	33	66	63
70	23	35	30	32	30	13	17	18	26	31	36	52	48	58	61
75	33	28	35	33	40	32	29	25	29	42	65	57	60	63	82
80	34	40	27	34	40	36	38	25	38	36	70	78	52	72	76
85	29	31	27	23	29	20	30	20	24	32	49	61	47	47	61
90	10	10	17	9	15	11	21	20	14	13	21	31	37	23	28
95	2	7	1	0	1	6	3	5	4	3	8	10	6	4	4
100	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Over 100	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
	213	230	212	250	271	182	190	171	211	228	395	420	383	461*	499*

Percentage of Deaths over 65 years of age 1950 : 63

" " " " " " " " 1951 : 69

" " " " " " " " 1952 : 74

" " " " " " " " 1953 : 72

" " " " " " " " 1954 : 73

* See note on page 9.

SECTION B

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

Public Health Laboratory Facilities

Examination of pathological specimens and bacteriological examination of ice-cream, milk and water supplies are carried out by the Public Health Laboratory Service, The Parade, Cardiff.

Chemical analysis of sewage effluents, water samples and ice cream continue to be made by the Cardiff and County Public Health Laboratory of the same address.

(a) Examination of Pathological Specimens during the Year

Nature of Specimen	No. of Specimens Examined	Negative	Positive
Swabs for Haemolytic Streptococci ..	16	10	6
Swabs for Diphtheria	16	16	—
Faeces for Dysentery and Enteric ..	20	19	1
Blood for Enteric	3	3	—
Faeces for Paratyphoid " B " ..	22	17	5
Urine for Pus	8	5	3
Faeces for Food Poisoning ..	4	3	1
Sewer Swabs for Paratyphoid " B " ..	2	1	1
Vaginal Swab for Organisms ..	1	—	1
TOTALS	92	74	18

(b) Ambulance Services

Medical practitioners in the district are able to use the service of the Health Department in securing the removal of infectious disease cases, where necessary, and their accommodation in hospital. On request, the Health Department contacts the appropriate hospital and arranges, through the County Ambulance Service, for an ambulance to be provided.

(c) Tuberculosis Clinics

There are three centres at which patients from your district can attend for examination and treatment. They are situated at No. 20 Cathedral Road; "Glenview," Court House Street, Pontypridd, and No. 26, Newlands Street, Barry.

At these centres, examinations including X-ray and tests, are carried out by the Chest Physicians. The examinations are not confined to persons who are actually suffering from tuberculosis but a large number of contacts also are examined so that any evidence of tubercular infection may be detected as early as possible, so giving the patients a better opportunity of being cured.

It has been the practice for years past in all notifications of non-pulmonary tuberculosis to examine the milk supply for the presence of tubercle bacilli.

**Cardiff Hospital Management Committee Mass Miniature
Radiography Service
20, Cathedral Road,
Cardiff**

Males
Every Tuesday,
2 p.m. to 4 p.m.

Females
Every Thursday,
2 p.m. to 4 p.m.

Closed throughout August
and all Bank Holidays.

For your guidance the following are examples of cases who should be referred for more detailed examination :—

1. Suspected cases of non-pulmonary tuberculosis ;
2. Contacts to a definite case of tuberculosis ;
3. Ambulance cases who interfere with the smooth working of the session ;
4. Children under the age of three years who are not easy to X-ray by Miniature Radiography.

Committees of the Council which are concerned with matters of Public Health

The Committees which are concerned with matters of Public Health are (1) The Public Health Committee (2) The Housing Committee, (3) The Housing Management Committee, (4), The Public Works Committee.

VENEREAL DISEASES

During the year posters were displayed in public conveniences in the district giving details of treatment centres, which are as follows :

(a) Barry Area

The Clinic, Woodlands Road, Barry

Males

Tuesday 5. p.m.-7.30 p.m.
Friday 10 a.m.-1 p.m.

Females

Tuesday 2. p.m.-5 p.m.
Friday 2. p.m.-4.30 p.m.

(b) Cardiff Area

Cardiff Royal Infirmary

Males

Monday 5.30 p.m.-7.30 p.m.
Thursday 10. a.m.-12 noon
5.30 p.m.-7.30 p.m.

Females

Tuesday 10 a.m.-12 noon
Wednesday 4 p.m.-6 p.m.
Friday 2 p.m.-4 p.m.

Royal Hamadryad Hospital

Males

Monday
Wednesday 10 a.m.-12 noon
Friday

New Cases Daily 10 a.m.-12 noon

(c) Pontypridd Area

Graig Hospital, Courthouse Street, Pontypridd

Males

Tuesday 10 a.m.-12.30 p.m.
2 p.m.-4.30 p.m.
Wednesday 2 p.m.-4.30 p.m.
6 p.m.-8 p.m.
Friday 10 a.m.-12.30 p.m.
6 p.m.-8 p.m.

Females

Monday 2 p.m.-4.30 p.m.
5 p.m.-7 p.m.
Thursday 10 a.m.-12.30 p.m.
2 p.m.-4.30 p.m.

SECTION C

SANITARY CIRCUMSTANCES OF THE AREA WATER SUPPLY

Your officers continue to exercise constant care and supervision over the water supplies in the Council's district. A system of regular sampling for bacteriological examination is in operation and representative samples are taken throughout the district during each quarter of the year. A total of 54 were submitted during the year 1954. Samples for chemical analysis were taken from the seven supplies providing water in various parts of the district and all proved satisfactory with the exception of the Pentyrch Reservoir Supply. Several samples taken at various points on this supply lined shewed rather a high figure for plumbo solvency. The results varied in the amount of dissolved lead contained in the water, some containing very little and others a fair amount. Samples of water that had been in the pipes for a period of weeks gave rather a high figure and this also applied to a sample of hot water taken from the domestic supply. The school authorities were informed and were asked to run off to waste water that had remained in the pipes for any length of time and particularly so after week-ends and holiday periods. Samples were taken from each of the springs supplying the reservoir and one of these shewing a low figure for Ph. value was isolated and steps taken to empty the Reservoir as soon as possible. Further samples shewed considerable improvement and in order to reduce the risks to the lowest limits arrangements are being made to treat the water at the Reservoir with Hydrated Lime or with Sodium Carbonate.

I reproduce on page 16 of this report particulars of the results obtained on samples taken for bacteriological examination and a summary of the chemical analysis for each of the seven supplies.

I must point out that good progress has been made during the year in securing water into dwelling houses in many parts of the district where the inhabitants had to carry water from a stand post in the street. I am hopeful of seeing the disappearance of the street tap system of supply during the next year or so.

I am in debted to Mr. Youldon your Engineer and Surveyor, for the following information :—

Water Supplies

The following water main extensions were completed during the year :—

Pengelli to Ty-fry Bungalow, Pendoylan.

Dan-y-Bryn Avenue, Radyr.

Tyncoed Road, Pentyrch.

Water Schemes which have been submitted to the Ministry of Housing and Local Government for approval include—:

Duffryn-mawr to Ffos-y-crydd, Peterston-s-Ely.

Maendy to Groesfaen, Peterston-s-Ely.

The Rudry-Porset (Small-holdings) water extension has been approved by the Ministry of Housing and Local Government, and is the subject of negotiations with the Glamorgan County Council, which are expected to be completed early in 1955 when the scheme will be put in hand.

Improved Supplies

Improvements to the water supply system were carried out during the year in Pentyrch and Rhoose by scraping and re-lining the existing watermain.

The Council propose to extend the work of scraping and re-lining watermains in the district, thus prolonging the life of the mains and at the same time improving supplies to the consumers concerned.

DRAINAGE

One hundred and sixty six premises were connected to new sewers during the year and this number includes premises where pails were being used in closet compartments. The number of pail closets is being reduced at a steady rate of progress in the built-up portions of the district but much remains to be done in the more rural parts. Several schools are still dependent on the conservancy system of sanitation, but it is noteworthy that three schools were provided with water carriage systems of drainage during the year 1954. They were (1) Pentyrch Junior and Mixed School; (2) Rudry Junior and Mixed School; (3) Llanedeyrn Infants School. Schools remaining to be connected include (1) Wenvoe; (2) St. Nicholas; (3) St. Fagans; (4) St. Georges, and (5) Maendy Schools, the latter having been the subject of many complaints during the past few years. The slop water cesspit at Maendy School periodically overflows in to a ditch in the roadway; and the pail closet contents are buried on land adjacent to the School, another objection is that children find difficulty in entering the small closet compartments. A scheme of privy conversion has been approved for Maendy School but the work has not yet been put in hand.

I wish once again to call attention to the difficulties experienced in dealing with cesspits at Creigiau and Wenvoe where cesspits soon overflow and cause many nuisances. The Council is aware of the need for a sewerage scheme in Creigiau and the problem of Brooklands Terrace near Wenvoe is becoming more urgent now that a caravan site is being developed on adjacent land.

**SAMPLES FOR CHEMICAL ANALYSIS AND PLUMBO SOLVENCY TESTS WERE TAKEN FROM THE
UNDERMENTIONED SUPPLIES**

Source of Supply	Remarks of Public Analyst	Plumbo Solvency
(a) Barry Corporation	Soft neutral water. Samples contain trace of dissolved lead.	Satisfactory
(b) Cardiff Corporation	Soft neutral water. The chemical and physical characters are satisfactory.	Satisfactory
(c) Cardiff R.D.C. Pentureh	A soft neutral water of good organic purity. Some of the samples contained small quantities of dissolved lead.	Some of the samples indicate Plumbo Solvency
Gwaelodygarth	A fairly soft neutral water. The chemical and physical characters are satisfactory.	Satisfactory
Rudry	A neutral water of medium hardness. The physical and chemical properties are satisfactory for an untreated water.	Satisfactory
Rhydygwern	A fairly soft acid water. The chemical and physical characters are satisfactory for an untreated water.	Satisfactory
(d) Mid-Glamorgan Water Board	A hard neutral water. The chemical and physical characters are satisfactory.	Satisfactory
(e) Rhymney Valley Water Board	A neutral water. The chemical and physical characters are satisfactory.	Satisfactory

It is unfortunate that Station Terrace could not be included in the sewerage scheme at present nearing completion at Peterston. The terrace consists of ten substantially built dwelling houses which have been maintained in a reasonably good condition of repair. The owners of this property are anxious to provide modern sanitary facilities and are prepared to contribute towards the cost of providing a sewer. These particulars have been submitted to the Ministry and it is to be hoped that they will sanction this very desirable extension.

I think the Council should expedite schemes in those areas where we may claim sewer facilities owned by other authorities. Some of the trunk sewers are reaching capacity point and for this reason we may lose the benefit of their use during the next few years for schemes in contemplation. This applies to Waterloo Terrace, Rudry ; Draethan, Rhydygwern and Wornddu Row, Van.

A table giving particulars of the drainage provided at premises throughout the district is given on page 13 and the list of priorities for schemes in the various parishes is shewn in the remarks column. Now that so many schemes have been completed, I suggest that the order of priorities should be revised.

I am obliged to Mr. Youldon, your Engineer and Surveyor, for the following information :—

DRAINAGE AND SEWERAGE

Peterston-s-Ely Sewerage Scheme

Good progress was made on the sewerage scheme for Peterston-s-Ely and Gwernysteeple which was commenced late in 1953.

This scheme will be in operation early in 1955.

Pentyrch—Pentyrch Sewerage Scheme

This scheme was completed during the year.

Pentyrch—Gwaelodygarth—Extension of Sewer

The scheme for extending the existing sewers in Gwaelodygarth excepting the Salem Row section, was completed in 1954. The Salem Row sewer extension was deferred so that it could be carried out with the proposed housing development in Gwaelodygarth which is to start early in 1955.

Sully Sewerage Scheme

The Ministry of Housing and Local Government approved this scheme in 1954, arrangements were made for tenders to be received early in 1955, and it is anticipated that work will be commenced in the spring of 1955.

Rudry Sewerage Scheme—Garth Place area

This scheme was completed and in operation early in 1954.

St. Andrews—Cross Common Road, Dinas Powis Sewer Extension

A sewer extension scheme to serve properties in Cross Common Road, Dinas Powis, was prepared and is to be submitted to the Ministry of Housing and Local Government for approval early in 1955.

St. Fagans Sewerage Scheme

The sewerage scheme for the Village of St. Fagans has been submitted to the Ministry of Housing and Local Government for approval. The observations of the Ministry have not yet been received.

Creigiau—Parish of Penttyrch

The preparation of the sewerage scheme for the village of Creigiau has been delayed pending receipt of the proposals by the County Planning Authority.

Michaelston-le-Pit—Brooklands Terrace Sewerage Scheme

A sewerage scheme to serve the existing houses in Brooklands Terrace, the new Caravan Site, and three schools proposed to be erected by the Cardiff Corporation in their area, has been approved by the Ministry and it is anticipated that work will commence early in 1955.

Lisvane—Mill Road Sewer Extension

Part I

Tenders for Part I of this sewer extension scheme were received and a contract entered into for the commencement of this work in January 1955.

Part II

The Council have under consideration the carrying out of Part II of this sewer extension.

Pendoylan—Sewerage Scheme Extension

A sewerage extension scheme to serve the existing private houses and the proposed Council houses in the village of Pendoylan has been submitted to the Ministry of Housing and Local Government and approval of the scheme is expected early in 1955.

Bonvilston Sewerage Scheme

The approval of the Ministry of Housing and Local Government for the sewerage scheme to serve the Maesyffynnon area at Bonvilston is awaited.

Penmark—East Aberthaw Sewerage Scheme

A public inquiry on this scheme was held in 1954 and approval is expected.

The scheme has been slightly amended owing to the proposal of the British Electricity Authority to erect an Electricity Generating Station at The Leys.

TABLE VIII
ANALYSIS OF THE SANITARY ACCOMMODATION AND DRAINAGE IN EACH OF THE PARISHES

Parishes	No. of Houses (approx.)	Complete water carriage System	Treatment Works	Cesspool		Water carriage to outfall other than Cesspit or Sewer	No satisfactory slopwater disposal or dry closets	Proposed Scheme, Order of Priority and Remarks
				Complete water carriage	Slopwater only, dry Closet			
1 Bonvilston	49	—	1	19	7	—	22	No. 17 Bonvilston Village
2 Lavernock	26	8	2	4	2	8	2	Nil
3 Leckwith	27	—	1	7	4	11	4	Nil
4 Lisvane	210	89	5	58	20	—	38	Nil
5 Llanccarfan	123	—	—	25	15	—	83	No. 15 Llanccarfan Village
6 Llanedeyrn	244	136	26	53	14	—	15	No. 12 Cyncoed Area
7 Llanilterne	47	—	—	11	15	—	21	Nil
8 Llantrithyd	33	—	—	5	1	—	27	Nil
9 Llanfedw	50	8	1	7	—	—	34	Nil
10 Llanvithyn	5	—	—	2	—	—	3	Nil
11 Michaelston-le-Pit	65	20	9	13	14	—	9	Scheme approved for Brooklands Terrace
12 Pendoylan	128	—	15	15	64	—	34	Scheme to include Church, Terrace of Alms Cottages, Public House and School approved.
13 Penmark	213	86	1	50	11	—	65	Scheme completed.
14 Pentyrch—Gwaelodygarth Penygarn Creigiau	596	240	2	163	40	—	151	Gwaelodygarth completed. Pentyrch nearing completion. Creigiau not commenced, tentative proposals prepared.
15 Peterston-s-Ely	94	—	1	42	7	1	43	Scheme nearing completion.
16 Porthkerry	250	219	—	25	—	2	4	Scheme approved.
17 Radyr	475	440	—	24	11	—	—	Nil
18 Rhydygwern	60	36	—	5	—	—	19	Scheme completed for Rhydygwern.
19 Rudry	141	—	—	27	5	—	109	Garth Place Scheme completed.
20 St. Andrews	898	804	—	80	11	—	3	No. 5 Sully Road area No. 13 Cross Common No. 14 St. Andrews Road No. 21 The Village
21 St. Brides	31	—	—	10	16	—	5	No. 21 The Village
22 St. Fagans	117	58*	—	28	4	—	27	No. 21 The Village
23 St. Georges	87	—	—	18	22	—	47	No. 21 The Village, Church Area, The Downs
24 St. Lythans	23	—	—	4	5	1	13	Nil
25 St. Nicholas	120	—	27	47	36	—	10	No. 11 The Village
26 Sully	215	—	2	178	24	5	6	Scheme approved
27 Van	86	63	—	5	2	—	16	No. 8 Wernddu Row
28 Welsh St. Donats	100	—	—	40	4	—	56	Nil
29 Wenvoe	208	—	48	88	10	—	62	No. 4 The Village, Twynyrodyn Area
30 Whitchurch	6,625	6,601	—	10	2	2	10	Nil
TOTALS	11,346	8,808	141	1,063	366	30	938	

* Private Sewer

TABLE VI

BACTERIOLOGICAL EXAMINATION OF WATER, 1954

Water obtained in bulk and distributed by Council		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		Remarks
		Date of Sample	Result	Date of Sample	Result	Date of Sample	Result	Date of Sample	Result	
PARISH	SOURCE									
Bonvilston	Cardiff	10/3/54	Satisfactory	6/4/54	Satisfactory	13/7/54	Unsatisfactory	2/12/54	Satisfactory	The unsatisfactory samples taken during the 3rd Quarter of the year were only slightly below standard.
Llancarfan	Corporation					20/7/54	Unsatisfactory			
Llantrithyd						21/7/54	Satisfactory			
Pendoylan						25/8/54	Unsatisfactory			
Peterston						9/9/54	Unsatisfactory			
St. Brides						9/9/54	Unsatisfactory			
St. Fagans						28/9/54	Satisfactory			
St. Georges						28/9/54	Satisfactory			
St. Nicholas						28/9/54	Satisfactory			
						27/9/54	Satisfactory			
						27/9/54	Unsatisfactory			
Radyr, Gwaelodygarth	Cardiff	24/3/54	Satisfactory	26/5/54	Satisfactory	11/10/54	Satisfactory	1/12/54	Satisfactory	The unsatisfactory samples were only slightly below standard.
Tongwynlais (Part of)	Corporation									
Van (Porset & Van Terrace)	Rhymney Valley Water Board	24/3/54	Satisfactory	29/6/55	Satisfactory	6/10/54	Unsatisfactory	20/12/54	Satisfactory	
Welsh St. Donatts	Mid-Glamorgan Water Board	24/3/54	Satisfactory	20/5/55	Satisfactory	11/10/54	Unsatisfactory	2/12/54	Satisfactory	
						11/10/54	Satisfactory			
Pentyrch and Creigiau	Pentyrch Reservoir	10/3/54	Satisfactory	27/4/55	Satisfactory	7/7/54	Satisfactory	1/12/54	Unsatisfactory	The unsatisfactory samples were slightly below standard.
Pentyrch (Gwaelodygarth) - Llanfedw	Tank on Mountainside	10/3/54	Satisfactory	27/4/55	Satisfactory	20/7/54	Unsatisfactory			
	Cardiff	23/3/54	Satisfactory	1/7/55	Satisfactory	28/7/54	Unsatisfactory	15/12/54	Satisfactory	
	Corporation					11/8/54	Satisfactory	1/12/54	Satisfactory	Slightly below standard.
Rhydygwern	Well at New Road, Rhydygwern	24/3/54	Satisfactory	29/6/55	Satisfactory	11/8/54	Satisfactory	30/12/54	Unsatisfactory	
Rudry	Spring & Filtration Plant at Rudry	24/3/54	Satisfactory	29/6/55	Satisfactory	5/10/54	Satisfactory	7/1/55	Satisfactory	
Public Wells, Lisvane	Well near Springmeadow	23/3/54	Satisfactory	23/6/55	Satisfactory	5/10/54	Satisfactory			
Wells which are not being used but are kept in case of emergency.										
Glebe Field Well, Moulton	.. .. .		It was not found necessary to take samples from any of these wells during the year.							
Sufton Pump, Penmark	.. .. .									
Church Pump, St. Lythans	.. .. .									
Well, Homri Lane, St. Nicholas	.. .. .									
Well, Near Church, Welsh St. Donats	.. .. .									
Fonmon Pump, Penmark	.. .. .									
Well, Moulton Road, Llancarfan	.. .. .									
Well, Cefn Mably	.. .. .									

TABLE VI

BACTERIOLOGICAL EXAMINATION OF WATER, 1954

Water obtained in bulk and distributed by Council		1st Quarter		2nd Quarter		3rd Quarter		4th Quarter		Remarks
		Date of Sample	Result	Date of Sample	Result	Date of Sample	Result	Date of Sample	Result	
PARISH	SOURCE									
Bonvilston	Cardiff					13/7/54	Unsatisfactory			The unsatisfactory samples taken during the 3rd Quarter of the year were only slightly below standard.
Llancarfan	Corporation					20/7/54	Unsatisfactory			
Llantrithyd						21/7/54	Satisfactory			
Pendoylan						25/8/54	Unsatisfactory			
Peterston		10/3/54	Satisfactory	6/4/54	Satisfactory	9/9/54	Unsatisfactory	2/12/54	Satisfactory	
St. Brides						9/9/54	Unsatisfactory			
St. Fagans						28/9/54	Satisfactory			
St. Georges						28/9/54	Satisfactory			
St. Nicholas						28/9/54	Satisfactory			
						27/9/54	Satisfactory			
						27/9/54	Unsatisfactory			The unsatisfactory samples were only slightly below standard.
						11/10/54	Satisfactory			
Radyr, Gwaelodygarth	Cardiff	24/3/54	Satisfactory	26/5/54	Satisfactory			1/12/54	Satisfactory	
Tongwynlais (Part of)	Corporation									
Van (Porset	Rhymney Valley	24/3/54	Satisfactory	29/6/55	Satisfactory	6/10/54	Unsatisfactory	20/12/54	Satisfactory	
& Van Terrace)	Water Board					11/10/54	Unsatisfactory			
Welsh St. Donatts	Mid-Glamorgan	24/3/54	Satisfactory	20/5/55	Satisfactory	11/10/54	Satisfactory	2/12/54	Satisfactory	
	Water Board									
Pentyrch and	Pentyrch	10/3/54	Satisfactory	27/4/55	Satisfactory	7/7/54	Satisfactory			The unsatisfactory samples were slightly below standard.
Creigiau	Reservoir					20/7/54	Unsatisfactory	1/12/54	Unsatisfactory	
Pentyrch	Tank on	10/3/54	Satisfactory	27/4/55	Satisfactory	28/7/54	Unsatisfactory	15/12/54	Satisfactory	
(Gwaelodygarth) -	Mountainside					11/8/54	Satisfactory	1/12/54	Satisfactory	
Llanfedw	Cardiff	23/3/54	Satisfactory	1/7/55	Satisfactory	11/8/54	Satisfactory			
	Corporation					5/10/54	Satisfactory	30/12/54	Unsatisfactory	
Rhydygwern	Well at New Road,	24/3/54	Satisfactory	29/6/55	Satisfactory			7/1/55	Satisfactory	
	Rhydygwern									
Rudry	Spring & Filtration	24/3/54	Satisfactory	29/6/55	Satisfactory	5/10/54	Unsatisfactory			
	Plant at Rudry					11/10/54	Satisfactory			
Public Wells,	Well near	23/3/54	Satisfactory	23/6/55	Satisfactory	5/10/54	Satisfactory			Slightly below standard.
Lisvane	Springmeadow									
Wells which are not being used but are kept in case of emergency.										
Glebe Field Well, Moulton	.. .. .									
Suften Pump, Penmark	.. .. .									
Church Pump, St. Lythans	.. .. .									
Well, Homri Lane, St. Nicholas	.. .. .									
Well, Near Church, Welsh St. Donats	.. .. .									
Fonnon Pump, Penmark	.. .. .									
Well, Moulton Road, Llancarfan	.. .. .									
Well, Cefn Mably	.. .. .									

It was not found necessary to take samples from any of these wells during the year.

Privy Conversion Schemes

Progress has continued during the year on the privy conversion schemes where main drainage works have been carried out.

The following information indicates the progress made on privy conversion schemes in 1954 :—

GWAELODYGARTH (Scheme No. 2) Completed.

PENTYRCH Seven conversions completed. It is anticipated that the position regarding the leases of properties which are due to expire shortly will be clarified during 1955 when the conversion works can be completed.

RUDRY 22 conversions completed.

PETERSTON-S-ELY

& GWERNYSTEEPLE To be commenced early in 1955

Premises connected to existing Sewers (1954)

Lisvane	...	...	...	...	4
Llanedeyrn	...	...	...	...	7
Penmark	...	...	...	...	7
Pentyrch	...	...	...	...	3
Radyr	...	...	...	...	6
St. Andrews	...	...	...	...	12
Whitchurch	...	...	...	...	234

Premises connected to New Sewers (1954)

Pentyrch	...	...	...	...	122
Rudry	...	...	...	...	44

RODENT CONTROL

Good results were again obtained during the year in our work of rodent control. The organisation of the service was continued on the lines of previous years, one mobile operative for the more rural areas and one operative concentrating on the built-up portions of the district.

The use of "Warfarin" rodenticide (Ministry approved) introduced in recent years has enabled very effective control to be maintained over the rat and mice population and it has been very rarely that even difficult infestations have not been dealt with quickly and with the minimum of nuisance to the occupiers of the infested premises.

Our average of inspections and treatments has been well maintained although a lesser number of farms has been visited because of the incidence of foot and mouth disease in parts of the district at the beginning of the year. A special point has been made of systematic treatments of refuse tips which is very necessary to avoid the possibility of "reservoir" infestations occurring. A number of schools and school canteens have been treated and check inspections made from time to time.

Farms

Total number of inspections during the year ended 31st December, 1954.

Number with minor infestations

(*i.e.* infestations with less than 20 rats. This type is usually found mainly in houses, small chicken runs and small shops) 371*

Number with major infestations

(*i.e.* infestations of between 20 and 200 rats. Most important infestations come in this category. In towns they occur in factories, warehouses, food stores, restaurants, grocers shops and so on) Nil

Number with reservoir infestations

(*i.e.* infestations of over 200 rats. They occur in sewer systems, refuse tips, glue factories, slaughter houses and sewage works. The term "reservoir" is used to emphasise the fact that large infestations are specially liable to set up other infestations in the neighbourhood) Nil

Number of contracts secured by the Glamorgan Agricultural Executive Committee with owners or occupiers of farms as a result of inspection 48

Built-up Areas

Number of houses surveyed	...	...	...	...	8,690
Number of houses treated	...	...	...	...	343
Number of rats destroyed	...	...	...	...	981
Number of mice destroyed	...	...	...	...	484
Number of bodies (rats) recovered	...	...	...	...	155
Number of "block" control schemes carried out	...	...	...	...	39

Sewers are periodically treated; during the year one maintenance treatment for rats in sewers was undertaken as follows:—

Period	Total Manholes Surveyed	Baited	Prebait	Complete Prebait
8th-12th March	62	62	10	—

* NOTE—Owing to the incidence of foot and mouth disease, visits to farms was prohibited until 8/2/54.

REFUSE COLLECTION AND DISPOSAL

The whole of the district has since 1951, been served by a "direct labour" system of refuse collection organised under the direction of your Surveyor, and operated from a central depot at Whitchurch. The type of vehicle used is of modern standard and the service is very regular.

There is, however, one part of the system which calls for improvement, namely, the type of bin used by the householder. I drew attention to this matter in my previous annual report and strenuous efforts have been made in the meantime to try to persuade householders to provide better bins. Some slight improvement has taken place in the built-up portion of the area, but much remains to be done in some of the more remote parishes, where householders complain that they cannot have bins delivered to their premises; and many of them cannot afford the present day charges.

It is estimated that approximately 1,000 householders out of a total of 10,000 are not provided with satisfactory bins. This matter has been discussed by your Committee on several occasions and steps are now being taken to implement the provisions of Section 75 of the Public Health Act, 1936, which gives local authorities power to provide bins and recover the cost in so doing.

Unsatisfactory refuse bins may give rise to nuisances and infestations of rats, mice and flies and contribute considerably to the littering of lanes in the built-up areas and roads in country districts.

Refuse disposal is conducted on the lines of controlled tipping on sites operated by the Council at Gwaelodygarth and Pentrebane. In order to economise in time and fuel consumption, use has been made of private tips in the southern portion of the area and one of these became a source of several complaints during the year. Uncontrolled tipping by private contractors added to the difficulty and the farmer whose waste land was being used for tipping purposes allowed pigs to disturb the tip in search of food found in household refuse. This complaint is being remedied and steps have been taken to secure alternative tipping sites.

There is still a certain amount of night soil collection carried out by direct labour and by private contract, but progress with privy conversion schemes is rapidly reducing the volume of collection and it is noteworthy that privy conversion is dealt with firstly in those districts where the collection has been most difficult to operate due to narrowness of lanes and hilly nature of those districts. I refer in particular to Rudry and Gwaelodygarth where privy conversion schemes are nearing completion.

SMOKE ABATEMENT

Melingriffith Tinplate Works

Several complaints were received from the staff of the Whitechurch Mental Hospital concerning nuisances caused by smoke, fumes and gases from Melingriffith Works.

On one occasion it was found that nuisances had arisen due to abnormal working conditions in the tin recovery department where stocks had accumulated and extra effort over a short period was made to reduce them, with resultant nuisances. The manager was interviewed and he gave instructions to stagger the work over a longer period and he also agreed to use liquid fuel instead of solid fuel. He was also asked to raise the height of the offending chimney stack.

When these improvements were completed we found considerable improvement and no further complaints have been received for several months. Samples of flue gases gave results which were well within the prescribed limits.

Penarth Cement Works

During the past twelve months a few complaints were received of dust and smells from a cement works. The complaints were investigated with the full-co-operation of the manager who explained the technical difficulties involved.

It appeared that the cyclone type grit extractor takes out about 25 tons of dust from the flues each day and the difficulty has been, and still is, to dispose of this dust without causing a nuisance to users of neighbouring land, in this case, a golf course. The material being tipped sets up a great cloud of dust which drifts considerable distances when there is a wind blowing.

There are difficulties involved in mechanically agitating the dust at the works and discharging it as sludge into the quarry although no doubt this method, if acceptable, would obviate the dust nuisance.

The site of tipping is in the adjoining Urban District and the final solution of this problem has been left between the company and the authority.

Occasional emissions of dust from the flue stack occurs and this is mainly due to a sudden change in wind direction when the dust extractors are partly closed. No recent complaints have been received on this matter.

CAMPING SITES

There are 8 licenced caravan sites in the Council's Area, particulars of which are set out below :—

- (1) Old Searchlight Station, Lavernock —licensed for 25 tents
- (2) The Bay Caravan Park, Lavernock —licensed for 209 caravans
- (3) The Spinney (Swanbridge) Ltd.,
Swanbridge—licensed for 67 caravans
- (4) Island View Caravan Site, Swanbridge—licensed for 50 caravans
- (5) Minehead View Site, Rhoose ...—licensed for 14 caravans
- (6) Fontigary Caravan Site, Fontigary —licensed for 160 caravans
or tents
- (7) Court Farm Site, Rhoose —licensed for 120 caravans
(Site No. 1) or tents
- (8) Court Farm Site, Rhoose —licensed for 120 caravans
(Site No. 2) or tents

All the 8 sites are provided with a mains water supply and have a water carriage system of drainage.

During the year the Council approached all site operators with a view to getting them to provide First Aid Equipment on the sites, for use in emergency in the treatment of minor injuries, and the Council's request has been complied with at all sites.

Unfortunately, a fatal accident occurred in a caravan, due to the ignition of petroleum spirit which had been drained from a motor cycle tank inside the caravan. The fire fighting equipment provided at the site, proved in this case to be a valuable asset, and by its use, the fire was quickly controlled and put out.

During the Winter period, there was a total of 106 individual licences granted to individual occupiers of caravans on 4 sites in the area. Each application was investigated and reported upon to the Health Committee; 2 licences were refused because the number of persons who intended to reside in the caravans constituted conditions of overcrowding.

Works to two sewage treatment plants were carried out to prevent pollution of the adjoining pleasure beach, and by extending the outlet pipe from each plant towards low water mark and thereby reducing to a minimum the area of beach over which the effluent flows before reaching the sea.

None of the 8 licencees took advantage of the exemption clause under Section 269 of the Public Health Act, 1936. The licensee who has taken advantage of this clause in the past, made application for a licence in respect of the land and the application was granted, subject to the compliance with the Council's standard conditions.

From the records kept by the department on the number of moveable dwellings on the sites in the Council's District, there is no doubt that a Caravan Holiday is becoming more popular each year and the standard of the caravans now in use is very much improved upon the earlier models.

FACTORIES ACTS, 1937 and 1948. Table IX.

Regular visits of inspection have been made to factories in the district as shewn in the following table:—

1. Inspections.

Premises (1)	Number on Register (3)	Number of		
		Inspection (4)	Written notices (5)	Occupiers Prosecuted (6)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	4	14	1	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	32	57	12	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers premises)	—	—	—	—
TOTAL	36	71	13	—

2. Cases in which Defects were found.

Particulars	Number of Cases in which Defects were found				Number of Cases in which Prosecutions were instituted
	Found	Remedied	To H.M. Inspector	By H.M. Inspector	
(1)	(3)	(4)	(5)	(6)	(7)
Want of Cleanliness (S.1) ..	2	2	—	—	—
Overcrowding (S.2) ..	—	—	—	—	—
Unreasonable temperature (S.3)	—	—	—	—	—
Inadequate ventilation (S.4)	2	2	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7):					
(a) Insufficient	2	2	—	2	—
(b) Unsuitable or defective	12	12	—	2	—
(c) Not separate for sexes	—	—	—	—	—
Other offences against the Act (not including offences relating to outwork) ..	—	—	—	—	—
TOTAL	16	16	—	4	—

FACTORIES ACT, 1937—Section 34—MEANS OF ESCAPE IN CASE OF FIRE

A survey was carried out to ascertain whether all the factories in the Council's District are in possession of a Certificate issued by the Council, indicating satisfactory means of escape in case of fire as required by Section 34 of the Factories Act, 1937.

Section 34 of the Factories Act, 1937 applies to every factory—

- (a) in which more than twenty persons are employed, or
- (b) in which more than ten persons are employed on a first floor of the building or more than twenty feet above the ground floor level
- (c) in or under which explosives or highly inflammable materials are stored or used.

As regards (a) and (b) there are 11 factories, three of which required certificates. All three have been visited by your Officers who are working in collaboration with officers of the Fire Prevention Services of the Glamorgan County Council. Alterations have to be carried out at one of these premises before they can qualify for the certificate.

Regarding (c) there are a few motor repair garages in which highly inflammable materials such as cellulose and "thinning" fluids may be used from time to time and these are controlled by the Statutory Rules and Orders—1934 No. 990 which are supervised by H.M. Inspectors of Factories.

<i>Name and Situation of Factory</i>	<i>Particulars regarding the issue of Certificates</i>
1 British Railways (Western Region) Locomotive Repair Shop, Van...	Certificate issued in 1939
2 Cefn On Basic Co. Dolomite Works, Van	Certificate issued in 1939
3 Melingriffith Tin Plate Works, Whitchurch	Certificate issued in 1939
4 British Portland Cement Manu- facturers, Lavernock	Certificate issued in 1938
5 Aberthaw and Bristol Channel Portland Cement Co., Aberthaw	Certificate issued in 1938
6 Aberthaw and Bristol Channel Portland Cement Co., Rhooose...	Certificate issued in 1938
7 Turners Asbestos Cement Co., Rhooose	Certificate issued in 1938
8 British Geon Ltd., Sully	Certificate issued in 1954
9 British Resin Products Ltd., Sully	Certificate issued in 1954
10 Coates Bros., Synthetic Resin, Manufacturers, Machen	Certificate issued in 1954
11 Llandaff North Engineering Works, Whitchurch	Alterations being carried out to comply with requirements of Act.

SECTION D.

HOUSING

The Council continue to exercise their powers under the Housing Acts and take full advantage of the financial grants available for the building of dwellings for agricultural workers and for the re-conditioning of old and unfit property.

A substantial number of new dwellings consisting of houses, flats and bungalows have been built by the Council to provide accommodation for the working population and for those who have reached the period of old age.

A total of 216 dwellings were built by the Council during the year and the number built by private enterprise was 305. A table appears on page 29 giving details of the number built in each of the parishes comprising the Council's district.

A total of 63 unfit dwellings were dealt with during the year as follows :—

Clearance Areas	Number of Houses to be demolished			
Nos. 16 and 17 Post Office Row, Cambrian Terrace and Tynywaun Row, Pentyrch	...	...	...	21
No. 18 Penmark	...	...	...	5
No. 19	Post Office Row, Morganstown	...	...	6
No. 21	Nos. 1 to 6 Walston Cottages, Wenvoe	...	...	6
				38

Individual Unfit Properties

(a) Properties demolished under Demolition Orders

Ynis Yard Bungalow, Tongwynlais	...	...	...	...	1
6, Wayside Cottages, Dinas Powis	...	...	...	...	1
Tyllwyd Cottage, Pentyrch	...	...	...	...	1
Meadow Cottage, Pentyrch	...	...	...	...	1
1 and 2 Bute Cottages, Pentyrch	...	...	...	...	2
1 and 2 Garth Cottages	...	...	...	...	2
					8

(b) **Properties closed in pursuance of undertakings under Section 11 of the Housing Act, 1936**

1 Cuckoo Mill Cottage, Penmark	...	...	...	...	1
1 and 2 Rock Cottages, Fonmon, Rhoose	...	...	...	...	2
Graig Llwyn, Cefn Mably Road, Llanedeyrn	...	...	...	...	1
School Cottage, Llanedeyrn	...	...	...	...	1
Penygroes Cottage, Llanedeyrn	...	...	...	...	1
Hut at Pencoedtre Farm, St. Andrews	...	...	...	...	1
Wrinston Cottage, Wenvoe	...	...	...	...	1
Bryn Lodge, Wenvoe	...	...	...	...	1
The Cottage, Penmark	...	...	...	...	1
1, 2 and 3 Nissels Cottages, Sully	...	...	...	...	3
Barrow Hill Cottage, Penmark	...	...	...	...	1
25 Tynypare Road, Whitchurch	...	...	...	...	1
					15

(c) **Closing Orders made under Section 10 of the Local Government (Miscellaneous Provisions) Act, 1953**

No. 3 Wayside Cottages, Dinas Powis	...	...	...	...	1
No. 1 Cae Mawr, Gwaelodygarth	...	...	...	...	1
					2

The Housing Repairs and Rents Act, 1954, came into operation in August, 1954. One of the main objectives of the Act was to encourage owners to maintain property in a fit state of repair and thus stem the deterioration which has been taking place with the older properties during the past few years.

The Act requires local authorities to conduct a housing survey and to report to the Minister within a specified period on the number of unfit properties in their district and their proposals for dealing with them. Every Local Authority is required to state the number of unfit properties it can eliminate within a period of five years.

A new definition of unfitness is contained in the Act. A house is now deemed to be unfit, if, and only if it is so far defective in one or more of the following matters that it is not reasonably suitable for occupation in that condition, viz: (a) repair, (b) stability, (c) freedom from damp, (d) natural lighting, (e) ventilation, (f) water supply, (g) drainage and sanitary conveniences and (h) facilities for storage, preparation and cooking of food and for the disposal of slop water.

It is clearly laid down that these are the only matters to be taken into account when determining whether a house is fit or unfit for human habitation.

Your officers were requested to report on the new standard quoted in Section 9 and they found it necessary in order to arrive at a practical working basis to define each of the items mentioned in the section.

I give below details of the standards agreed to by your officers and approved by the Housing Committee of the Council :—

Standard Requirements

(a) **Repair**

The house to be in a good state of repair.

(b) **Stability**

The structure of a house must be essentially sound, walls should be free from bulging, unequal settlement or like defects. The roof should be weatherproof and the timber in sound condition.

(c) **Freedom from damp**

The house to be substantially free from damp, consideration being given to the extent and cause of any existing dampness, or persistent dampness.

(d) **Natural lighting**

Each room of the house to be adequately lighted to a standard approximating to the requirements of the British Standard Code of Practice-Daylight. Ceiling heights to be in accordance with the requirements for improvement grants under the Housing Act, 1949, as amended by the new Act.

(e) **Ventilation**

Every habitable room shall be provided with a window or window so constructed that a sufficient area of the window shall be open to the external air so as to afford adequate ventilation to the room.

(f) **Water Supply**

The water supply to the house to be by means of a piped supply from a water main or private or estate water service pipe or from a well, spring or other source.

The supply to be in all cases pure and wholesome and free from contamination.

(g) **Drainage and Sanitary Conveniences**

The soil and surface water drainage and sanitary conveniences to be to a not less standard than that required for a modern local authority dwelling, provided a piped water supply as in (f) is available to the house.

(h) **Facilities for storage, preparation and cooking of food and for the disposal of waste water**

Food store or larder to be of adequate size with permanent ventilation to the natural air and adequate natural lighting and waste water to be disposed of by a soil drainage system as in (g) connected either to a public or private sewer, cesspool or approved outfall.

This new standard is considerably lower than the standards previously applied when determining the housing category of a property. It therefore became necessary to review the properties provisionally placed in Category V. and this resulted in reducing the total number from 322 on the 31st of December, 1953, to 156 on the 31st December, 1954.

The housing programme of the Council has made it possible to reduce the number of unfit properties at a very satisfactory rate of progress, and this is most apparent in the Parish of Pentyrch where it was recorded soon after the war that ninety properties were unfit for human habitation in one of the Wards of the Parish. This was regarded as the worst housing area in the Council's district.

It is gratifying to note the change that has taken place, for very soon we will have dealt with the last of those recorded unfit properties.

Progress with reconditioning and improvement of old properties with grant aid is still very slow and it is thought that this is largely due to the fact that so many of the owners cannot afford the contribution required of them.

The total number reconditioned during the year was 31, bringing the total since the passing of the Act in 1949 up to 50.

Number of Private and Council Houses erected during 1954 in each Parish

			<i>Private</i>	<i>Council</i>
Lisvane	...	...	4	10
Llanedeyrn	...	...	7	8
Pendoylan	...	...	2	—
Penmark	...	...	7	—
Pentyrch	...	...	3	4
Porthkerry	...	...	—	30
Radyr	...	...	6	8
Rudry	...	...	3	(Forestry Commission)
St. Andrews	...	...	14	46
St. Georges	...	...	1	—
St. Lythans	...	...	2	—
St. Nicholas	...	...	3	—
Sully	...	...	15	14
Van	...	...	—	4
Welsh St. Donats	...	...	1	4
Wenvoe	...	...	3	24
Whitchurch	...	...	234	68
TOTAL	...	...	305	216

Temporary Accommodation at Camps, etc.

<i>Location</i>	<i>Number of Huts occupied on the 31st December, 1954</i>		
Hayes Farm Camp, Sully	...	...	16
Llantrithyd Workers' Hostel	...	...	8
			—
TOTAL	...	...	24
			—

NATIONAL ASSISTANCE (AMENDMENT) ACT, 1951

It was found necessary during the year to remove an elderly gentleman of 94 years who was infirm and was not receiving proper care and attention. I found that it was necessary for him to be removed to hospital and obtained a medical certificate from the patient's medical practitioner and with the assistance of a local magistrate arranged for his removal to St. David's Hospital. Unfortunately, the patient died on the following night and further action under Section 47 of the National Assistance Act, 1948, was not necessary.

The second case was that of an elderly lady who was also not receiving proper care and attention. Her case was brought to my notice in July and with the assistance of her medical practitioner and a local magistrate arrangements were made for her admission to Graig Hospital, Pontypridd.

RAINFALL 1954

I give below particulars of the monthly totals of rainfall measured at the Pumping Station, Cogan, the Rhoose Works of the Aberthaw and Bristol Channel Portland Cement Co., Ltd., and at the Council's Whitchurch Depot.

				<i>Inches of Rainfall</i>		
				COGAN	RHOOSE	WHITCHURCH
January	...	...	...	2.51	2.51	2.94
February	...	...	...	4.99	4.73	4.83
March	...	...	...	3.97	4.04	4.22
April	...	...	...	0.71	0.88	1.04
May	...	...	...	2.02	2.24	2.39
June	...	...	...	3.72	3.34	5.18
July	...	...	...	4.61	2.99	4.49
August	...	...	...	3.28	3.39	3.34
September	...	...	...	7.02	5.90	7.22
October	...	...	...	6.22	4.49	7.01
November	...	...	...	7.53	5.44	9.62
December	...	...	...	3.55	3.92	4.42

I am indebted to Mr. G. W. Cover of the Cardiff City Water Department, General Manager of the Aberthaw and Bristol Channel Portland Cement Co., Ltd., and your Engineer and Surveyor for supplying these figures.

NUMBER AND TYPES OF COUNCIL HOUSES BUILT IN CARDIFF RURAL DITRICT

PARISH	Prior to 1945								1945-1951									1952									1953										Aged Persons Bungalows	1954														
	1BR/ NP	2BR/ NP	3BR/ NP	4BR/ NP	6BR/ NP	3BR/ P	4BR/ P	5BR/ P	1BR/ NP	2BR/ NP	3BR/ NP	4BR/ NP	3BR/ P	4BR/ P	G.F. Flat	T.F. Flat	Airey Houses	2BR/ NP	3BR/ NP	2BR/ P	3BR/ P	5BR/ P	G.F. Flat	T.F. Flat	Aged Persons Bungalows	2BR/ NP	3BR/ NP	4BR/ NP	2 Bedroom Flats			Bed Sitting Rooms			Aged Persons Bungalows	2BR/ NP		3BR/ NP	4BR/ NP	2 Bedroom Flats			Bed Sitting Rooms			Aged Persons Bungalows						
																													G. Fl.	1st Fl.	2nd Fl.	G. Fl.	1st Fl.	2nd Fl.						G. Fl.	1st Fl.	2nd Fl.	G. Fl.	1st Fl.	2nd Fl.		G. Fl.	1st Fl.	2nd Fl.			
Bonvilston ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Leckwith ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2*	2*	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Lisvane ..	—	—	—	—	—	2	—	—	—	—	2	—	10	2	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Llanedeyrn ..	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Llancaiarian ..	—	—	—	—	—	4	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Llanfedw ..	—	1	4	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Llanilterne ..	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Michaelston-le-Pit ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Pendoylan ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Pentyrch ..	—	—	15	1	—	15	—	—	—	6	10	1	64	8	2	2	—	—	—	—	—	—	—	—	—	—	10	22	2	12	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Peterston-super-Ely ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Penmark and Porthkerry ..	—	3	12	2	—	11	2	4	—	1	8	—	25	4	2	2	6	—	—	—	—	—	—	6	6	—	8	20	6	10	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Radyr ..	—	—	6	—	—	12	—	—	—	—	4	—	16	4	4	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Rhydygwern ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	4	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Rudry ..	—	1	2	—	—	—	2	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	2	4	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
St. Andrews ..	1	2	—	—	1	18	—	—	—	—	4	—	10	—	2	2	—	—	—	1	15	—	—	—	—	—	3	13	4	18	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
St. Brides-super-Ely ..	—	2	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
St. Georges-super-Ely ..	—	—	6	1	—	—	1	—	—	1	—	—	2	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
St. Nicholas ..	—	—	—	—	—	3	—	—	—	2	6	—	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Sully ..	—	—	—	—	—	—	—	—	—	—	—	—	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
Van ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Wenvoe ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Whitchurch ..	14	18	56	10	—	42	9	6	2	18	32	1	149	6	6	6	—	4	—	2	150	—	8	8	18	—	4	24	2	17	18	2	3	1	1	—	—	2	18	2	1	2	—	—	—	—	—	—	—	—	—	
	15	27	103	14	1	107	15	10	2	29	66	2	315	24	18	18	24	4	—	5	203	—	14	14	18	—	29	89	18	57	58	2	3	1	1	2	6	56	6	61	61	14	3	1	1	—	—	—	—	—	—	—

*—Reconditioned Cottages

COUNCIL HOUSES BUILT IN CARDIFF RURAL DISTRICT

	1BR/NP	2BR/NP	3BR/NP	4BR/NP	6BR/NP	2BR	3BR	4BR	5BR/P	G.F. Flat	1st Floor Flat	2nd Floor Flat	Airey Type	Bed Sitting Rooms			Aged Persons Bungalows	Total
														G.R.	1st Fl.	2nd Fl.		
Prior to 1945 ..	15	27	103	14	1	—	107	15	10	—	—	—	—	—	—	—	—	292
From 1945 to 1951 ..	2	29	66	2	—	—	315	24	—	18	18	—	24	—	—	—	—	498
During 1952 ..	—	4	—	—	—	5	203	—	—	14	14	—	—	—	—	—	18	258
During 1953 ..	—	—	—	—	—	29	89	18	—	57	—	2	—	3	1	1	2	202
During 1954 ..	—	—	—	—	—	6	56	6	—	61	61	14	—	3	1	1	8	217
TOTALS ..	17	60	169	16	1	40	770	63	10	150	93	16	24	6	2	2	28	1,467

SECTION E

MILK

The Milk (Special Designations) (Specified Areas) Order, 1954 brought about the establishment in Wales of the first two "specified areas" in which all milk sold by retail must be of "Special Designation," i.e. pasteurised, sterilised, or tuberculin tested milk, and the Cardiff Rural District forms part of one of these areas.

The Order came into force on 1st April, 1954, and an exemption was made in the case of "accredited milk" from a single herd until 30th September, 1954.

The local authority controls the granting of licences for the sale within their district of designated milks and the registration of distributors and dairymen other than dairy farmers. Samples of designated milks are submitted for bacteriological examination and must conform to prescribed standards.

In addition samples are submitted for biological examination for the presence of tubercle bacilli at intervals throughout the year.

Supervision of the process of milk production at dairy farms remains under the control of the Ministry of Agriculture and Fisheries.

The following table shows the number of samples of graded milks submitted and results obtained during the year :—

Result	GRADE				Total
	T.T.	Pasteurised	Accredited	Sterilised	
Satisfactory	28	39	—	1	68
Unsatisfactory	—	—	—	—	—
TOTAL	28	39	—	1	68

The following samples were submitted for biological examination :—

Samples	Negative	Positive
31	30	1

FOOD AND DRUGS ACT, 1938

Inspection of Shops, Food Preparing Premises, Examination of Foods

Further progress was made during the year in securing improved hygienic conditions in food shops, food preparing premises, restaurants, etc., following the survey carried out during the previous year.

Necessary action was taken to secure compliance in those premises which fell short of required standards resulting in structural alterations, repair, the installation of suitable sanitary accommodation and washing facilities, etc.

It is again pleasing to note the increasing use of up-to-date storage equipment and the benefit of this to both trader and consumer is reflected in the figures for condemned foods, shewn in the report, particularly in relation to foods such as ham, bacon, cooked meats, etc.

In general a satisfactory standard of cleanliness was observed, and strict supervision has been exercised to maintain and improve this standard.

In addition, checks have been made on the observance of the provisions of the Shops Act, 1950, relating to "hours of closing, weekly half holidays, Sunday trading and the restrictions placed on the hours of employment of young persons."

In no case was it necessary to institute proceedings during the year.

The following table indicates the position at the completion of the initial survey :—

Type of Shop	No.	Washing Facilities		Sanitary Accommodation		General Standard of Cleanliness		Remarks
		Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	Satisfactory	Unsatisfactory	
General Provision	102	86	16	97	5	100	2	Drainage not yet available in one premises
Green Grocers and Fishmongers	15	9	6	14	1	14	1	
Cafes	11	11	—	11	—	11	—	
Confectioners	28	25	3	26	2	28	—	
Butchers	21	16	5	20	1	19	2	Drainage Difficulties (W.C.) at one premises
Food Preparing Premises	19	15	4	18	1	18	1	
Bakeries	6	5	1	5	1	6	—	
Fried Fish & Chip Shops	3	2	1	3	—	2	1	
TOTAL	205	169	36	194	11	198	7	

Fifty nine samples of ice cream were submitted for bacteriological examination and as indicated in the table below all were of a satisfactory standard.

Increasing use of "prepacked" ice cream and improved refrigerated storage together with a reduction in sales of "loose" ice cream with the consequent risk of contamination due to inadequate sterilisation of the metal servers has done much towards the general improvement.

Most of the ice cream sold within the Council's district is manufactured in other local authorities' areas and close co-operation exists between your officers and officers of adjoining authorities in investigating possible sources of contamination.

Examination of Ice Cream Samples

	Satisfactory (1)	Fairly Satisfactory (2)	Unsatisfactory (3)	Very Unsatisfactory (4)	Total
Number of Samples ..	59	—	—	—	59

CONDEMNED FOODS

The undermentioned articles of food were voluntarily surrendered and certified as unfit for human consumption. Condemned tinned meats and vegetables are utilised for pig feeding and fats such as butter, cheese, bacon, etc., are returned to wholesalers to be used for manufacturing purposes.

Tinned Goods	...	...	...	...	...	...	1,375 tins
Meat (Beef)	...	...	...	...	...	...	72 lbs.
Cheese	...	...	...	...	...	...	83 lbs.
Dates	...	...	...	...	...	...	245 lbs.

Samples taken by the County Sanitary Inspector in the Area of
the Cardiff Rural district during the year ended 31st December, 1954

Milk	209
Canned Soup	1
Condensed Milk	3
Tomato Sauce	2
Lemonade	1
Cake Flour	4
Sponge Mixture	2
Coffee and Chicory	3
Fish Paste	1
Pudding Mixture	1
Raspberryade	1
Table Jelly	4
Oat Flour	1
Sago	1
Parsley and Thyme Stuffing	1
Gelatine	2
Peanut Butter	1
Jam	1
Tea	1
Glucose	1
Orange Squash	1
Cheese Macaroni	1
Vienna Sausage	1
Cake and Pudding Mixture	1
Curry Powder	1
Canned Carrots	1
Vinegar	2
Baking Powder	1
Molasses	1
Meat Paste	2
Canned Fish	1
Pickles	1
Treacle	1
Canned Grape Fruit	1
Lemon Curd	1
Mayonnaise	1
Glace Cherries	3
Vegetable Salad	1
Mixed Spice	1
Ground Nutmeg	1
Pearl Barley	1
Sausages	2
Lemon Juice	1
Butter	1
Cheese	1
Shredded Beef Suet	1
Custard Powder	1
Blancmange Powder	1
Mustard	1
Mixed Peel	1
TOTAL ...	<u>276</u>

CARCASES OF PIGS INSPECTED AND CONDEMNED

The figures for the past four years are quoted for purposes of comparison.

	1951	1952	1953	1954
Number inspected	393	396	81	15
Diseases other than T.B.				
Whole carcases destroyed ..	—	—	—	—
Part of Carcase destroyed ..	7	3	2	1
Percentage of affected carcases	1.7 %	.0.8 %	2.4 %	6.6 %
Tuberculosis only				
Whole carcases destroyed ..	—	—	—	—
Part of carcase destroyed ..	23	20	5	—
Percentage of affected carcases	5.8 %	5.0 %	6.1 %	—

FOOD POISONING OUTBREAKS.

Total number of outbreaks	Number of cases	Number of deaths	Organisms or other agents responsible with number of outbreaks of each	Foods involved with number of outbreaks of each
1	1	Nil	Salmonella typhi-murium	Duck Egg

No. 1 DISTRICT—Sanitary Inspector H. Willis

	Inspections and visits made	Defects and Nuisances found	Preliminary Notices Served	Statutory Notices Served	Remedied
Public Health Acts	363	99	79	26	93
Housing Acts	291	—	—	—	—
Dairies, Cowsheds and Milkshops	20	7	—	—	7
Public Health (Meat) Regulations	9	—	—	—	—
Bakehouses	10	2	2	—	2
Factories, Workshops and Workplaces	19	6	6	—	6
Schools	15	3	3	—	3
Infectious Diseases	43	—	—	—	—
Houses Disinfected	16	—	—	—	—
Cesspits Cleansed and Inspected	22	4	—	—	4
Nuisances from Sanitary Accommodation	46	9	9	—	7
Nuisances from Defective Drains	146	45	12	—	45
Nuisances from Animals	11	4	4	—	4
Nuisances from Accumulations	72	14	9	—	7
Tents, Vans, Sheds	21	—	—	—	—
Supervising Scavenging	39	12	12	—	12
Rats and Mice Destruction	37	—	—	—	—
Inspection of Water Supplies	134	26	22	19	26
Samples of Water for Analysis	47	—	—	—	—
*Samples of Milk for Analysis	13	—	—	—	—
Petrol and Explosive Stores	65	4	—	—	4
Shops Acts and Employment of Young Persons	121	12	8	—	10
Visits not Classified	226	—	—	—	—
Vermineous Houses	—	—	—	—	—
Council House Inspections	51	—	—	—	—
Food and Drugs Act	21	7	4	—	6
Unsound Food	9	—	—	—	—
Ice Cream Samples	18	—	—	—	—
Atmospheric Pollution	24	2	1	—	1
*Subjected to examination for Tubercle Bacilli : Positive					
Negative	10				
TOTALS	1,919	256	171	45	237

No. 2 DISTRICT—Senior Sanitary Inspector William Davies.

	Inspections and visits made	Defects and Nuisances found	Preliminary Notices Served	Statutory Notices Served	Remedied
Public Health Acts	235	53	37	11	50
Housing Acts	350	—	—	—	—
Dairies, Cowsheds and Milkshops	42	—	—	—	—
Public Health (Meat) Regulations	30	6	2	—	6
Bakehouses	8	2	1	—	2
Factories, Workshops and Workplaces	18	4	2	—	4
Schools	9	2	—	—	2
Infectious Diseases	22	—	—	—	—
Houses Disinfected	8	—	—	—	—
Cesspits Cleansed and Inspected	22	—	—	—	—
Nuisances from Sanitary Accommodation	14	6	2	—	6
Nuisances from Defective Drains	87	18	7	2	18
Nuisances from Animals	22	8	4	—	8
Nuisances from Accumulations	80	10	3	—	10
Tents, Vans, Sheds	24	1	1	—	1
Supervising Scavenging	140	60	60	—	37
Rats and Mice Destruction	36	—	—	—	—
Inspection of Water Supplies	56	6	6	—	2
Samples of Water for Analysis	42	—	—	—	—
*Samples of Milk for Analysis	12	—	—	—	—
Petrol and Explosive Stores	38	—	—	—	—
Shops Acts and Employment of Young Persons	57	—	—	—	—
Visits not Classified	236	—	—	—	—
Vermineous Houses	8	—	—	—	—
Council House Inspections	30	—	—	—	—
Food and Drugs Act	43	6	4	—	6
Unsound Food	63	—	—	—	—
Ice Cream Samples	16	—	—	—	—
Atmospheric Pollution	110	2	2	—	2
*Subjected to Examination for Tubercle Bacilli : Positive .. 1 Negative .. 11					
TOTALS	1,860	184	131	13	154

No. 3 DISTRICT—Sanitary Inspector K. N. Price.

	Inspections and visits made	Defects and Nuisances found	Preliminary Notices Served	Statutory Notices Served	Remedied
Public Health Acts	249	106	81	16	91
Housing Acts	185	—	1	—	1
Dairies, Cowsheds and Milkshops	9	—	—	—	—
Public Health (Meat) Regulations	12	—	—	—	—
Bakehouses	4	1	1	—	1
Factories, Workshops and Workplaces	34	3	3	—	3
Schools	3	—	—	—	—
Infectious Diseases	20	—	—	—	—
Houses Disinfected	7	—	—	—	—
Cesspits Cleansed and Inspected	17	—	—	—	—
Nuisances from Sanitary Accommodation	14	3	3	—	3
Nuisances from Defective Drains	135	21	14	12	14
Nuisances from Animals	17	—	—	—	—
Nuisances from Accumulations	10	—	—	—	—
Tents, Vans, Sheds	186	—	3	—	2
Supervising Scavenging	61	—	13	—	10
Rats and Mice Destruction	14	—	—	—	—
Inspection of Water Supplies	12	—	—	—	—
Samples of Water for Analysis	12	—	—	—	—
*Samples of Milk for Analysis	70	—	—	—	—
Petrol and Explosive Stores	33	—	—	—	—
Shops Acts and Employment of Young Persons	74	2	2	1	1
Visits not Classified	173	—	—	—	—
Vermineous Houses	3	—	—	—	—
Council House Inspections	26	—	—	—	—
Food and Drugs Act	56	6	6	—	6
Unsound Food	11	—	—	—	—
Ice Cream Samples	26	—	—	—	—
Atmospheric Pollution	13	—	—	—	—
*Subjected to Examination for Tubercle Bacilli : Positive	—	—	—	—	—
Negative	9	—	—	—	—
TOTALS	1,486	142	127	29	132

SECTION F

PREVALENCE AND CONTROL OVER INFECTIOUS DISEASES

It is satisfactory to record that the total number of cases of infectious diseases that were notified during 1954 was much less than that for the previous year. This was brought about by the fact that there were only 19 cases of measles as against 432 for the previous year.

Diphtheria

How confidently one can record again no cases of diphtheria; but here we must not be over-confident as there are reasons for thinking that not as many children are having these treatments carried out as should be and if this state of affairs continues we shall have to face the fact of diphtheria being present again amongst our children.

It is essential that a high percentage of young children are immunised and also receive boosting doses when they enter school and again between 8 and 9 years of age.

I have been supplied with the following figures by the Divisional Medical Officer for South East Glamorgan :—

IMMUNISATION, 1954			VACCINATION, 1954	
Under 5	5-15 years	Booster	Children Vaccinated	Percentage Rate of Vaccination
525	26	378	162	36 %

Whooping Cough

There were 81 cases of whooping cough brought to our notice during the year which is practically the same as for the previous year. Here protective inoculations are preventing and lessening the severity of the attack when it does occur.

Scarlet Fever

Twenty cases were notified which is just half the number of cases notified last year. Only seven were removed to the Isolation Hospital on account of nursing difficulties at home—lack of room or parent engaged in food handling.

TABLE X.

**INCIDENCE OF NOTIFIABLE DISEASES IN
THE VARIOUS PARISHES DURING 1954**

PARISH	Scarlet Fever	Diphtheria	Pneumonia	Puerperal Pyrexia	Measles	Whooping Cough	Dysentery	Erysipelas	Ophthalmia Neonatorum	Acute Poliomyelitis	Paratyphoid "B"	Cerebro Spinal Fever	Food Poisoning	Acute Encephalitis
Bonvilston ..	—	—	—	—	—	4	—	—	—	—	—	—	—	1
Lavernock ..	—	—	2	—	2	—	—	—	—	—	—	—	—	—
Leckwith ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lisvane ..	—	—	4	—	—	4	—	—	—	—	—	—	—	—
Llancarfan ..	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Llanedeyrn ..	1	—	1	—	—	3	—	—	—	—	—	—	—	—
Llanilterne ..	—	—	—	—	—	2	—	—	—	—	—	—	—	—
Llanfledw ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Llanvithyn ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Llantrithyd ..	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Michaelston-le-Pit ..	—	—	—	—	—	1	—	—	—	—	—	—	—	—
Pendoylan ..	—	—	—	—	—	9	11	—	—	—	—	—	—	—
Penmark and Porthkerry ..	2	—	3	—	—	7	—	—	—	—	—	—	—	—
Pentyrch ..	1	—	—	—	—	2	1	—	—	—	—	—	—	—
Peterston-s-Ely ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Radyr ..	1	—	—	—	—	1	—	—	—	—	2	—	—	—
Rhydygwern ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Rudry ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
St. Andrews ..	2	—	—	—	1	5	—	—	—	—	1	—	—	—
St. Brides-s-Ely ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
St. Fagans ..	—	—	—	—	—	3	6	—	—	—	—	—	—	—
St. Georges-s-Ely ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
St. Lythans ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
St. Nicholas ..	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Sully ..	1	—	1	—	12	1	—	—	—	—	—	—	—	—
Van ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Welsh St. Donats ..	—	—	—	—	—	2	—	—	—	—	—	—	—	—
Wenvoe ..	—	—	1	—	—	—	—	—	—	—	—	—	—	—
Whitchurch ..	11	—	19	—	4	37	—	1	—	1	2	—	—	—
TOTALS ..	20	—	32	—	19	81	18	1	—	1	5	—	1	1

TABLE Xa.
PARTICULARS OF THE INCIDENCE OF NOTIFIABLE
DISEASES IN THE AREA DURING 1954

Diseases	Total cases Notified	Age not known	Under 1 month	1	2	3	4	5	10	15	20	35	45	65 and over	Cases admitted to hospital from Council's area	Deaths of residents in Council's area
Scarlet Fever	20	—	—	—	1	—	1	13	2	3	—	—	—	—	7	—
Diphtheria	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia	..	—	—	1	1	—	1	8	1	—	5	4	5	6	5	—
Measles	..	—	—	2	3	3	2	9	—	—	—	—	—	—	2	—
Whooping Cough	..	—	—	8	10	11	15	32	4	2	1	2	1	—	4	—
Dysentery	..	—	—	2	1	—	—	5	2	2	3	—	1	—	2	—
Erysipelas	..	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
Puerperal Pyrexia	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Poliomyelitis	..	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—
Paratyphoid "B"	..	—	—	—	—	—	—	1	—	—	3	1	—	—	5	—
Acute Encephalitis	..	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—
Food Poisoning	..	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—
TOTALS	179	—	—	13	16	14	19	69	11	5	12	7	7	6	28	—

TABLE XL.

ADMISSIONS TO THE CITY ISOLATION HOSPITAL DURING
1954 FROM CARDIFF RURAL DISTRICT

	Scarlet Fever	Diphtheria	Dysentery	Whooping Cough	Erysipelas	Measles and Pneumonia	Measles	Enteric Fever	Tonsillitis	Rubella	Pneumonia	T.B. Meningitis	Acute Encephalitis	Poliomyelitis	Meningococcal Meningitis	Chicken Pox	Malaria	Food Poisoning	Rheumatism	Paratyphoid B.	Pyrexial	Infective Hepatitis	Total	Died
January	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
February	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
March	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
April	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
May	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
June	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
July	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
August	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
September	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
October	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
November	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
December	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS	8	1	2	4	1	1	2	1	1	1	5	1	1	1	1	1	1	1	1	5	1	1	30	1

Anterior Poliomyelitis

Only one case was notified and this was in a child of 6 years. Fortunately the type was non-paralytic and the patient made a complete recovery.

Dysentery

Twice as many dysentery cases were notified ; eleven cases were from a Mental Institution in the area and six occurred in another hospital.

Paratyphoid "B"

Five cases were notified during the year.

Case No. 1

This occurred in a child age 9 years 11 months. The child was taken ill on 3rd March and on 7th March was admitted to City Isolation Hospital as a suspected case of Paratyphoid. This diagnosis was confirmed on 9th March.

Cream cakes purchased within the Cardiff City area were suspected and this information was passed to the Medical Officer of Health of the City.

Examinations of swabs from contacts proved negative in every case and no source of infection was traced.

Case Nos. 2 and 3

This occurred in a male aged 23 years. The patient was taken ill on 4th March, removed to the Hamadryad Hospital on 10th March and to City Isolation Hospital as a case of Paratyphoid on 11th March.

Faecal swabs from contacts revealed that the wife of this patient was also positive and she was admitted to City Isolation Hospital on 15th March. All other contacts were negative.

Suspected food was a "cream sponge" cake manufactured within the City area, and this information was passed to the Medical Officer of Health of the City.

It was found that a member of the staff at the Bakery concerned was a contact of another case of Paratyphoid although repeated faecal examinations showed the contact to be negative.

Case No. 4

In this case, the patient, a female aged 38 years was taken ill on 6th March, admitted to City Isolation Hospital on 10th March and notified as a confirmed case of Paratyphoid on 12th March.

Faecal swabs from the husband, the only contact, proved negative.

Enquiries revealed no suspected food, and no source of infection could be traced.

Case No. 5

This occurred in a female aged 27 years. She was first taken ill on 8th March, on 20th March a blood test showed positive Paratyphoid and she was removed to the City Isolation Hospital on the same day.

A faecal swab from the mother, the only contact, proved negative.

Cream cakes manufactured within the City area were suspected, and this information was passed to the Medical Officer of Health of the City, but enquiries revealed no source of infection.

Undulant Fever

During the early part of the year two cases of Undulant fever was brought to my notice. The cases were two men employed on the same farm in connection with the milk business and both were admitted to hospital for treatment. The milk was tested and was found to be positive for Abortus Fever. The milk from this farm was subject to Pasteurisation before these cases occurred. Milk from eleven individual cows was sampled in order to isolate the infected animal. It appeared that the patients had contracted the disease either through drinking the unpasteurised milk or through direct contact with the cows.

Tuberculosis

During the year sixteen males and thirteen females were notified as suffering from pulmonary tuberculosis. There has therefore been an increase in the total of pulmonary cases, namely 29 as compared with 18 for the previous year. But there were only two of non-pulmonary as against 13 for the previous year.

The number of deaths was 9—8 males and 1 female and all from respiratory tuberculosis.

In all cases where a person dies at home from this disease it has been and still is the practice to carry out disinfection of the rooms and bedding of the patient.

It was not found necessary to communicate with any medical practitioners during the year for non-notification of cases.

B.C.G. Vaccination

During the early part of the year a communication was received from the Glamorgan County Council stating that the Minister had approved the amendment of the County Council's arrangements for the Prevention of Illness, Care and After Care, by the addition of the following paragraph to Part I (a): "The local health authority also intends to make arrangements to offer B.C.G. vaccination, subject to the necessary preliminary tests and to obtaining parental consent, to school children between their thirteenth and fourteenth birthdays. The vaccination will be carried out on the responsibility of the Medical Officer of Health by Medical Officers expressly designated for this purpose by the Authority."

**STATEMENT SHOWING NUMBER OF CASES OF TUBERCULOSIS
IN THE VARIOUS PARISHES AS AT 31st DECEMBER, 1954**

PARISH	Males		Females	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Bonvilston	—	1	2	—
Lavernock	—	1	—	—
Leckwith	—	—	—	—
Llancarfan	—	1	—	—
Lisvane	5	—	5	2
Llanedeyrn * ..	3	—	1	—
Llanilterne	—	—	—	—
Llanfedw	—	—	2	—
Llantrithyd	—	1	—	—
Llanvithyn	—	—	—	—
Michaelston-le-Pit	1	—	1	—
Pendoylan	6	3	3	1
Penmark	3	—	4	1
Pentyrch	10	—	6	1
Peterston-s-Ely ..	1	—	—	1
Porthkerry	—	1	—	—
Radyr	7	2	8	1
Rhydygwern	3	—	2	1
Rudry	5	1	7	—
St. Andrews	9	2	6	6
St. Brides	1	—	—	—
St. Fagans	3	1	2	2
St. Georges	2	—	—	—
St. Lythans	—	—	1	—
St. Nicholas	1	1	—	2
Sully	7	1	3	—
Van	3	—	1	—
Welsh St. Donats ..	—	—	—	—
Wenvoe	3	—	1	—
Whitchurch	101	15	70	14
TOTALS	174	31	125	32

TABLE XII.

TUBERCULOSIS**New Cases and Mortality during 1954.**

	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	Males	Females	Males	Females	Males	Females	Males	Females
Age Periods								
0	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—
5	—	1	—	1	—	—	—	—
15	4	6	—	—	—	—	—	—
25	4	4	1	—	2	—	—	—
35	—	2	—	—	—	1	—	—
45	4	—	—	—	3	—	—	—
55	1	—	—	—	2	—	—	—
65 & over	3	—	—	—	1	—	—	—
TOTALS	16	13	1	1	8	1	—	—

The Council have been most anxious to rehouse in satisfactory conditions cases of open tuberculosis who are living in unsatisfactory houses.

In conclusion, I wish to thank members of the Council and the Chief Officials of all departments, together with the staff of the Health Department for their co-operation and assistance during the year.

I am, Ladies and Gentlemen,

Your obedient Servant,

G. McKIM THOMAS,

Medical Officer of Health.

June, 1955



